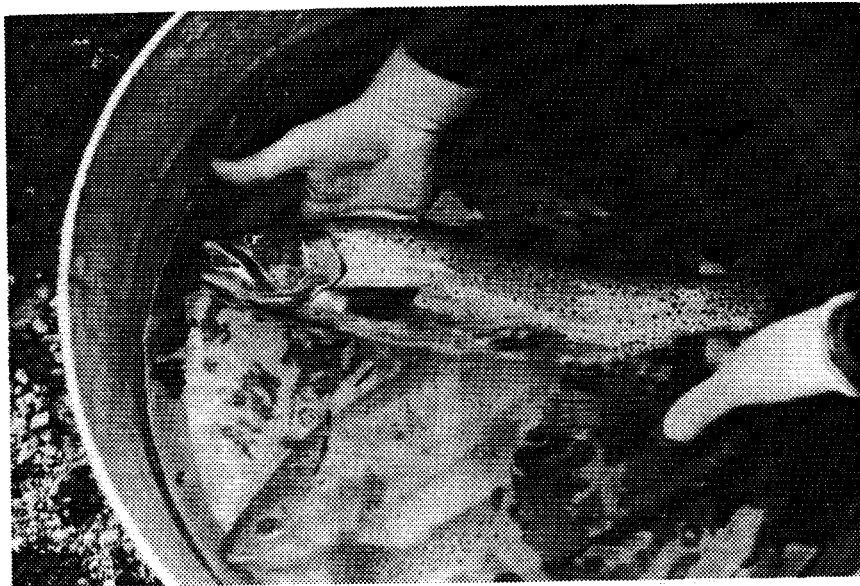




RESIDENT FISH HATCHERIES

ANNUAL REPORT

Period Covered: January 1, 1992 to December 31, 1992



June 1993

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RESIDENT FISH HATCHERIES

1992 ANNUAL REPORT

Resident fish hatcheries stocked 1.26 million pounds totaling 20.7 million fish. More than 2,500 stocking trips were made to plant fish in over 500 waters.

Resident hatchery program costs were \$2.1 million for an average cost of \$1.67 per pound or \$0.10 per fish. Costs varied greatly between hatcheries. Cabinet Gorge had the lowest cost per fish at \$0.03 and Clark Fork had the highest at \$0.54 per fish. Hagerman had the lowest cost per pound at \$0.99 and McCall had the highest at \$39.52 per pound.

Cost per inch of fish produced may be the best way to compare hatcheries. Hagerman and Cabinet Gorge both produced fish for about \$0.016 per inch. Clark Fork had the highest cost at \$0.091 per inch. Clark Fork costs appear inflated, however, because of catchable redistribution costs and administrative costs over Sandpoint, Kootenai, and Mullan hatcheries.

Rainbow trout of catchable size (8- to 11-inches) composed the greatest share of program costs at \$1.2 million. The high cost of distributing catchables for stream stocking programs results in a cost per fish stocked of \$0.54. Fingerling production costs averaged about \$1.80 per pound.

Fish health was generally very good except at Hagerman and Clark Fork hatcheries. Because of the open water supply at these two facilities, combined with heavy bird predation at Hagerman, fish losses continue to be significant and unpredictable at these hatcheries.

Budget cuts eliminated all major construction projects except Ashton, which received \$110,000 in mitigation money from Utah Power and Light. Ashton raceways were repaired, an oxygen injection system was installed, and an air blower cleaning system is under construction. Several smaller projects were completed by hatchery personnel. Bird exclosures are being constructed by hatchery personnel at Nampa and Hagerman. Fish loss to birds exceeds 20,000 pounds at these facilities. Completion of the exclosures in 1993 should save enough in fish loss to pay for the construction materials.

May 26, 1993

**Idaho Department of Fish and Game
Resident Hatcheries Fish Production
01/01/92 - 12/31/92**

Hatchery	Catchable		Fingerlings		Fish Food		Total pounds	Feed conversion	Total cost	Cost/ per 1000 fish	Cost/ pound
	Number	Pounds	Number	Pounds	Pounds	Costs					
Hagerman	865,946	244,781	3,924,817	237,582	620,998	\$148,350	482,363	1.28	\$476,044	\$99.37	\$0.99
Nampa	436,690	171,701	2,047,269	61,523	256,799	\$73,337	233,224	1.10	\$268,100	\$107.97	\$1.15
American Falls	327,878	123,179	107,108	7,582	139,914	\$34,978	130,761	1.07	\$180,400	\$415.66	\$1.38
Mackay	97,864	48,264	2,457,548	55,232	122,985	\$39,218	115,671	1.06	\$193,000	\$52.00	\$1.71
Grace	202,339	93,039	1,338,040	43,735	130,634	\$33,739	136,774	0.96	\$174,700	\$60.70	\$1.28
Hayspur	229,569	73,117	203,755	5,297	122,100	\$31,751	78,414	1.56	\$174,400	\$403.70	\$2.22
Ashton	43,883	23,161	971,373	8,205	35,243	\$12,798	31,366	1.12	\$138,400	\$136.49	\$4.41
Cabinet Gorge			6,180,723	31,819	39,495	\$19,352	31,819	1.24	\$211,341	\$34.19	\$6.64
Clark Fork			356,073	12,281	31,328	\$14,164	12,281	2.55	\$194,600	\$546.62	\$15.84
McCall			475,900	1,184	1,144	\$1,005	1,184	0.97	\$43,200	\$98.00	\$39.52
Sandpoint			<u>467,142</u>	<u>9,078</u>	<u>18,219</u>	<u>\$5,643</u>	<u>9,078</u>	<u>2.00</u>	<u>\$56,400</u>	<u>\$120.77</u>	<u>\$6.22</u>
TOTALS	2,204,169	777,242	18,529,748	473,518	1,529,523	\$419,028	1,262,935	1.21	\$2,110,585	\$101.79	\$1.67

Total cost for each hatchery is that hatchery's total budget minus capital outlay expenditures.
Denotes weighted means.